

### **Abstract**

The present invention includes a method and system for cleaning, disinfecting, or sterilizing objects, such as medical or dental instruments or devices. The system of the invention includes an energy source, such as a sonicator, adapted and configured to impact the object with energy, such as ultrasonic energy; a liquid transporter adapted and configured to circulate around, through, and/or into the object a wash composition, an antimicrobial composition, a rinse composition, or a plurality of these compositions; and a dryer adapted and configured to dry the object, preferably, in the presence of a sterilant. The method of the invention includes contacting the object with a wash composition and energy, such as ultrasonic energy; treating the object with an antimicrobial composition; rinsing the object with a rinse composition; and drying the object, preferably in the presence of a sterilant.